

Table of flood stages during May 1935—Continued

River and station	Flood stage	Above flood stages— dates		Crest	
		From—	To—	Stage	Date
MISSISSIPPI SYSTEM—continued <i>Lower Mississippi Basin—Continued</i>					
Mississippi—Continued.	<i>Feet</i>			<i>Feet</i>	
Baton Rouge, La.....	35	{ Apr. 6 30	(1) 12	38.4 (1)	(1) 7 25-27, May 7
Donaldsonville, La.....	28	Apr. 7	11	30.0	
Reserve, La.....	22	Apr. 9	10	23.2	
New Orleans, La.....	17	6	7	17.31	
<i>Atchafalaya Basin</i>					
Atchafalaya:					
Simmesport, La.....	41	4	10	41.7	7.8
Melville, La.....	37	{ Apr. 6 20	(1) 17	39.3 (1)	7.8 (1)
Atchafalaya, La.....	22	Mar. 15	(1)	24.5	5-10
WEST GULF OF MEXICO DRAINAGE					
Sabine:					
Logansport, La.....	25	6	31	34.4	8
Bon Wier, Tex.....	21	20	29	23.4	22
Orange, Tex.....	4	25	30	4.7	26, 27
Neches:					
Rockland, Tex.....	22	{ 7	14	28.5	9
Beaumont, Tex.....	7	{ 20	28	28.9	22
West Fork: Fort Worth, Tex.....	17	{ 25	31	7.7	29, 30
Elm Fork: Carrollton, Tex.....	6	{ 18	19	17.9	18
		{ 5	7	10.9	6
		15	23	13.0	19
Trinity:					
Dallas, Tex.....	28	{ 5	8	34.9	6
Trinidad, Tex.....	28	{ 16	24	42.1	20
		7	June 2	42.6	25

Table of flood stages during May 1935—Continued

River and station	Flood stage	Above flood stage— dates		Crest	
		From—	To—	Stage	Date
WEST GULF OF MEXICO DRAINAGE—contd.					
Trinity—Continued.	<i>Feet</i>			<i>Feet</i>	
Long Lake, Tex.....	40	11	31	44.2	24
Riverside, Tex.....	40	20	22	41.8	21
Liberty, Tex.....	25	6	31	26.9	24, 25
Brazos:					
Rainbow, Tex.....	20	18	19	26.1	18
Waco, Tex.....	27	18	20	34.9	19
Valley Junction, Tex.....	44	20	22	48.5	21
Washington, Tex.....	45	22	25	47.2	24
Hempstead, Tex.....	42	24	26	43.2	25
Richmond, Tex.....	35	24	28	36.5	27
Colorado:					
Marble Falls, Tex.....	21	18	19	29.8	18
Austin, Tex.....	21	18	19	28.0	19
Smithville, Tex.....	25	20	21	26.7	20
Columbus, Tex.....	29	19	25	33.3	23
Wharton, Tex.....	26	20	27	36.7	25
Guadalupe:					
Gonzales, Tex.....	20	19	22	27.3	20
Victoria, Tex.....	21	5	10	27.9	8
Nueces: Cotulla, Tex.....	15	21	25	28.7	24
Rio Grande:					
Del Rio, Tex.....	15	30	30	15.1	30
Eagle Pass, Tex.....	16	18	18	16.8	18
Brownsville, Tex.....	18	26	26	18.2	26
PACIFIC SLOPE DRAINAGE					
<i>Columbia Basin</i>					
Clearwater: Kamiah, Idaho.....	12	23	25	12.6	23
Columbia: Vancouver, Wash.....	15	29	(1)	(1)	(1)

1 Flood continued into June.

WEATHER OF THE ATLANTIC AND PACIFIC OCEANS

[The Marine Division, W. F. McDONALD in Charge]

NORTH ATLANTIC OCEAN, MAY 1935

By H. C. HUNTER

Atmospheric pressure.—Over waters adjacent to Europe and Iceland the pressure averaged greater than normal. The northeasternmost portion showed a large excess; Lerwick, in the Shetland Islands, had a mean pressure 0.42 inch above normal. Over the central and most western portions of the North Atlantic pressure averaged a little less than normal, but over the Gulf of Mexico and nearby areas a very little greater than normal.

At coast and island stations, the highest pressures were mostly recorded during the period 5th to 12th, and the lowest during 12th to 22d.

TABLE 1.—Averages, departures, and extremes of atmospheric pressure (sea level) at selected stations for the North Atlantic Ocean and its shores, May 1935

Station	Average pressure	Departure	Highest	Date	Lowest	Date
	Inches	Inch	Inches		Inches	
Julianehaab, Greenland.....	29.78		30.24	9	29.18	5
Reykjavik, Iceland.....	30.19	+0.27	30.88	12	29.78	1
Lerwick, Shetland Islands.....	30.22	+0.42	30.53	8	29.73	17
Valencia, Ireland.....	30.14	+0.19	30.50	7	29.73	3
Lisbon, Portugal.....	29.99	+0.02	30.23	6	29.72	22, 23
Madeira.....	30.05	+0.04	30.17	30	29.88	13
Horta, Azores.....	30.13	—0.03	30.34	3	29.74	12
Belle Isle, Newfoundland.....	29.76	—0.18	30.24	10	29.32	20
Halifax, Nova Scotia.....	29.87	—0.10	30.25	5, 9	29.54	1, 15
Nantucket.....	29.96	—0.03	30.37	5	29.55	21
Hatteras.....	30.01	—0.00	30.26	9	29.54	21
Bermuda.....	30.05	—0.06	30.28	10	29.78	18
Turks Island.....	29.93	—0.11	30.12	7, 8	29.82	16
Key West.....	29.98	+0.01	30.12	8	29.82	18
New Orleans.....	30.00	+0.03	30.16	26	29.74	20

NOTE.—All data based on a. m. observations only, with departures compiled from best available normals related to time of observation, except Hatteras, Key West, Nantucket, and New Orleans, which are 24-hour corrected means.

The highest pressure thus far reported by a vessel was 30.58 inches by the Swedish steamship *Braheholm*, during the forenoon of the 9th, when near latitude 58° N., longitude 10° W. The lowest reading was 28.66 inches, by the American steamship *Scanstates*, during the forenoon of the 10th, near 46° N., 42° W.

Cyclones and gales.—There was considerable storminess for the time of the year, but no wind of force 12 has been reported. Two vessels encountered force 11; the earlier instance was the Dutch motorship *Tabian*, on the evening of the 5th, when northwest of Horta. The ship was then near the southern end of a long trough of low pressure. Very few other vessels noted gales in connection with this trough.

The principal period of storminess was from the 7th to 11th, when gales were met by numerous steamships, chiefly between 55° and 35° west longitude, along or near the chief lanes to northern Europe. During this time low pressure prevailed in the Grand Banks area, and for a moderate distance to eastward; at the same time pressure was mainly higher than normal in the far north, as well as on the continental coasts and over the tropical ocean; strong gradients resulted as the low moved slowly northeastward.

During this period of storminess, whole gales (force 10) were noted by numerous vessels; and the second instance of force 11 was noted by the German liner *Stuttgart* during the night of the 7-8th. By the 11th the high pressure to northward was decreasing, and the low moved in that direction and lost strength.

A brief gale was encountered south of Jamaica on the 13th; and on the 17th a whole gale was met a considerable distance south of Bermuda. The low with which this latter gale was connected was noted near Haiti on the

16th, and seemingly traveled to northeastward to unite with a low from the South Atlantic States.

On the 18th and 19th several ships noted gales in the area south and southeast of Nova Scotia and thence eastward to about the 47th meridian. The low soon moved northward and ceased to affect the steamship routes.

A few days later another low advanced from near Hatteras to the vicinity of Sable Island, reaching the latter on the 22d. Again gales were experienced in the western part of the steamship lanes, but none of great force has been reported.

A few gales were met during the final week of May, in localities much scattered.

Fog.—There was almost complete absence of fog during May in the regions to northward and northeastward of the Azores, although east of the 15th meridian a little fog was noted in several areas.

Fog was reported along the African coast near Cape Blanco on the 2d, 3d, and 4th.

Two adjacent 5°-squares in the Grand Banks region (40° to 50° north latitude, 45° to 50° west longitude) had fog on 12 days during May, the chief periods being 8th to 12th and 21st to 31st.

In two other squares, one southeast of Nova Scotia and the other east of Delaware and Chesapeake Bays, fog was noted on 10 days.

OCEAN GALES AND STORMS, MAY 1935

Vessel	Voyage		Position at time of lowest barometer		Gale began May—	Time of lowest barom- eter May—	Gale ended May—	Low- est bar- om- eter	Direc- tion of wind when gale began	Direc- tion and force of wind at time of lowest barometer	Direc- tion of wind when gale ended	Direction and high- est force of wind	Shifts of wind near time of lowest barometer
	From—	To—	Latitude	Longitude									
NORTH ATLANTIC OCEAN													
Tabian, Du. M. S.	Gibraltar	Boston	40 50 N.	35 01 W.	5	6p, 5	5	Inches 29.59	S	W, 10	NNW	WNW, 11	S-W-NNW.
Independence Hall, Am. S. S.	Bordeaux	New York	45 28 N.	37 10 W.	6	9a, 6	6	29.38	SE	SW, 8	WNW	WNW, 9	SE-SW-WNW.
Mendota, U. S. C. G.	On ice patrol out from Hal- fax.		42 01 N.	50 32 W.	7	1p, 7	7	29.44	WNW	NW, 9	NW	NW, 9	W-NW.
Beemsterdyk, Du. S. S.	Rotterdam	New York	42 30 N.	43 44 W.	7	1a, 8	8	29.36	SSE	WNW, 3	NW	SSW, 9	SSE-SSW- WNW.
Black Tern, Am. S. S.	Antwerp	do	41 45 N.	43 20 W.	7	2a, 8	8	29.42	S	W, 8	WNW	NW, 9	S-W-NW.
Eskdene, Br. S. S.	St. Vincent, C. V. I.	Montreal	38 08 N.	50 00 W.	7	Mdt., 8	10	29.62	SW	W, 8	N	W, 10	None.
Tabian, Du. M. S.	Gibraltar	Boston	40 57 N.	52 34 W.	8	Mdt., 8	9	29.41	WNW	WNW, 8	NNW	NNW, 10	W-WNW-NNW.
Independence Hall, Am. S. S.	Bordeaux	New York	43 52 N.	52 23 W.	9	2a, 9	9	29.54	NE	NNE, 10	NNW	NNE, 10	NE-NNE-N.
Stuttgart, Ger. S. S.	New York	Galway	44 49 N.	39 06 W.	7	4a, 9	8	29.50	WSW	SE, 6	NW	WNW, 11	E-SE.
Beemsterdyk, Du. S. S.	Rotterdam	New York	40 58 N.	50 01 W.	9	4a, 9	10	29.16	W	SW, 6	NNW	NW, 10	SW-NW.
Steel Exporter, Am. S. S.	Avonmouth	Baltimore	41 35 N.	45 10 W.	7	Noon, 9	11	29.03	SE	W, 9	NW	W, 10	SSW-W.
Black Condor, Am. S. S.	Rotterdam	New York	44 04 N.	44 00 W.	10	9p, 9	11	28.91	NNW	NNW, 4	NW	NW, 10	S-NNW-N.
Cingalese Prince, Br. M. S.	Gibraltar	Halifax	39 31 N.	40 50 W.	9	10p, 9	11	29.43	SSW	SSW, 8	NNW	NW, 10	Steady.
Scanstades, Am. S. S.	Copenhagen	New York	45 36 N.	42 30 W.	10	9a, 10	11	28.66	WNW	SE, 5	WNW	NW, 9	SE-WNW.
Foylebank, Br. M. S.	Gibraltar	Halifax	37 51 N.	39 54 W.	11	9a, 11	11	29.68	WNW	WNW, 8	WNW	NNW, 9	WNW.
Colombia, Am. S. S.	Colon	Kingston	15 16 N.	77 50 W.	13	5p, 13	13	29.85	N	N, 8	NE	N, 8	N-NE.
Darien, Pan. S. S.	Philadelphia	Puerto Barrios	37 30 N.	74 54 W.	14	7a, 14	16	29.82	W	Calm	N	NW, 9	NW.
Georgia, Dan. S. S.	Bremen	Baltimore	42 39 N.	53 40 W.	15	7a, 15	16	29.59	SW	SW, 9	N	WSW, 9	SW-W.
Jean Jadot, Belg. S. S.	Antwerp	New York	49 49 N.	6 30 W.	17	Noon, 17	17	29.75	N	N, 9	NNE	N, 9	None.
Magdala, Du. M. S.	Rotterdam	Curacao	26 17 N.	62 38 W.	17	8p, 17	18	29.62	SSE	S, 9	N	S, 10	SSE-SW.
Mahrouda, Br. S. S.	Boston	London	41 17 N.	61 35 W.	17	2a, 18	18	29.14	NNE	N, 8	NW	NNE, 9	NNE-N-NW.
Emanuel Nobel, Belg. S. S.	Houston	Ghent	37 13 N.	66 39 W.	21	4p, 21	21	29.39	S	S, 8	SSW	SSW, 9	S-SSW.
Boschdyk, Du. S. S.	Rotterdam	New York	40 40 N.	64 43 W.	21	7p, 21	21	29.26	NE	NE, 7	NNE	NNE, 9	ENE-NNE.
Collamer, Am. S. S.	Havre	do	40 58 N.	59 20 W.	21	2a, 22	22	29.19	S	SSW, 9	NW	SSW, 9	SSW-NW.
Jean Jadot, Belg. S. S.	Antwerp	do	42 45 N.	45 10 W.	22	8p, 22	22	29.81	SE	SW, 9	NW	SW, 9	SE-SW-NW.
Exmouth, Am. S. S.	Casablanca	do	35 12 N.	62 16 W.	25	10a, 25	25	29.67	S	SW, 8	SW	SW, 8	S-SW-WSW.
Emanuel Nobel, Belg. S. S.	Houston	Ghent	40 56 N.	44 21 W.	26	4a, 26	26	29.56	SW	NNW, 7	WNW	SW, 9	SW-NNW-N.
Steel Trader, Am. S. S.	Swansea	Montreal	50 18 N.	38 42 W.	26	7p, 27	29	29.35	SW	SW, 9	W	W, 10	SW-SSW-WSW.
American Importer, Am. S. S.	Belfast	New York	49 49 N.	29 46 W.	28	10a, 28	30	29.72	SW	S, 6	WSW	WSW, 9	SW-S-W.
NORTH PACIFIC OCEAN													
Koyo Maru, Jap. S. S.	Port San Luis	Yokohama	34 01 N.	147 45 E.	30	Noon, 1	30	29.60	ESE	SSW, 7	SW	SSE, 8	SSW-SW.
Golden Dragon, Am. S. S.	San Francisco	Osaka	42 32 N.	155 21 E.	1	1a, 3	4	29.21	SE	SW, 7	NW	S, 10	SW-W.
Peter Kerr, Am. S. S.	Manila	San Francisco	45 00 N.	171 30 E.	3	8a, 3	3	29.52	SE	SE, 8	S	SE, 8	SE-S.
Kyokuto Maru, Jap. M. S.	Los Angeles	Nagasaki	42 54 N.	155 39 E.	3	1p, 3	3	29.18	W	SW, 6	WNW	W, 8	SE-SW.
Tyndareus, Br. S. S.	Victoria	Yokohama	43 36 N.	155 41 E.	3	3p, 3	4	29.18	W	WSW, 6	W	W, 9	WSW-W.
Golden Horn, Am. S. S.	San Francisco	do	46 30 N.	172 43 E.	5	Mdt., 4	5	29.60	W	SW, 4	W	W, 8	SW-WSW.
Do	do	do	44 43 N.	164 07 E.	7	9a, 7	7	29.62	NNW	NNW, 6	NNW	NNW, 8	NE-NNW.
Somerville, Nor. M. S.	Los Angeles	Shanghai	30 18 N.	148 57 E.	8	8a, 8	8	29.45	ENE	E, 7	ENE	ENE, 8	E-ENE.
Pres. Jackson, Am. S. S.	Yokohama	Seattle	48 34 N.	175 41 E.	8	2a, 9	8	28.88	NW	N, 7	NW	NW, 8	NW-N.
Do	do	do	50 06 N.	157 34 W.	10	6p, 10	11	29.52	WNW	NW, 7	WSW	WSW, 8	NNW-NW-W.
Tantalus, Br. M. S.	do	Victoria	47 41 N.	172 04 E.	13	Mdt., 14	14	29.54	NE	NNE, 5	NE	ENE, 9	None.
City of Vancouver, Br. S. S.	Vancouver	Muroran	46 00 N.	152 28 E.	16	4a, 17	16	29.67	SE	S, 6	SE	SE, 8	SE-S.
Texas, Am. S. S.	Dairen	San Francisco	45 39 N.	167 19 W.	21	Noon, 21	21	29.63	SE	SSE, 8	SSE	SE, 8	SE-S.
Golden Star, Am. S. S.	Manila	do	41 36 N.	177 00 W.	21	3p, 21	21	29.40	S	S, 9	SW	S, 9	S-SWS.
Vega, U. S. N. Aux.	Dutch Harbor	Bremerton	52 48 N.	155 18 W.	22	2a, 24	22	29.19	ENE	S, 4	ENE	ENE, 9	ESE-S.
Talhybius, Br. S. S.	Yokohama	Victoria	49 47 N.	164 53 W.	29	4a, 29	29	28.99	WSW	SSW, 2	SW	WSW, 8	S-SWS.
Golden Star, Am. S. S.	Manila	San Francisco	38 05 N.	123 30 W.	30	4a, 31	31	30.00	NNW	NNW, 8	NNW	NNW, 9	None.

1 Position approximate.

2 Barometer uncorrected.

3 April.